

Sowndappan S

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Profile

Results-driven developer with a solid foundation in Python, AI/ML, web development, and automation. Combines technical expertise with a practical mindset to solve real-world challenges in a thoughtful and creative manner.

Education

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM <i>Bachelor of Technology in Information Technology</i>	November 2022 – May 2026 CGPA: 9.06
MODEL SCHOOL, VEERAPANDI <i>Senior Secondary (Class 12th)</i>	May 2022 89.33 %

Skills

Programming Languages: Python | C | Java
Frameworks & Libraries: TensorFlow | PyTorch | OpenCV | YOLO | Flask | React
Web Technologies: HTML | CSS | JavaScript
APIs & Backend: REST API | Flask
Databases: MongoDB | MySQL
DevOps & Tools: Docker | Git | GitHub

Projects

GoalTrack WebApp	October 2024 - present
<ul style="list-style-type: none">Developing a comprehensive web application designed to assist students in achieving their career goals. Successfully implemented 80% of the website, including front-end and back-end development, as well as API integration.Technologies used: Python, React, Material UI, API, MySQLPresented the project at National Tech Expo 2024 to an audience of 200+ attendees	
Forest Fire Detection and Distance Estimation System	January 2023 - Nov 2023
<ul style="list-style-type: none">Developed a fire detection image model using Ultralytics and built graphical calculations which utilize a camera for early forest fire detection and distance estimation without requiring additional hardware. Improved detection accuracy by 15% through model optimization.Technologies used: Python, PyTorch, OpenCV, YOLO.Received the Best Student Project Award from CSI, Mumbai.	

Internship Experience

Data Analyst , Alteryx Sparked	September 2023 - Nov 2023
Completed 10 weeks of virtual internship where I leveraged data analysis techniques to extract actionable insights, optimizing decision-making processes.	
Data Analyst , Coders Cave	August 2023
Completed 4 weeks of virtual internship where I collaborated on data-driven projects, enhancing data visualization and reporting techniques.	
Data Analyst , AWS Academy	May 2023- Jul 2023
Completed 10 weeks of virtual internship where I utilized AWS tools for data analysis and cloud computing through hands-on projects.	

Extra Curricular Activities

- Participated in **10+ hackathons** and was shortlisted for the final round in **6 hackathons**.
- Attended over 7 webinars on emerging technologies and industry trends, gaining insights into key topics such as AI concepts, Machine Learning techniques, Blockchain hands-on workshop, CyberSecurity workshop, AR/VR workshop, Cloud computing workshop, and more.

Achievements

- Awarded the **Best Student Project** by CSI, Mumbai.
- Earned **3 NPTEL Elite+Silver Certifications** in **Python, IoT, and Cloud Computing**.
- Secured **1st place in Coding Battle** and **2nd place in Web Design** at a National-Level Technical Symposium.
- Received **2 Student Achiever Awards** for academic and technical excellence.